

ABSTRACT

A kind of yarn of animal collagen fiber and the manufacture process thereof,
5 characterized in that the yarn is made of 1-100 WT% of collagen fiber of animal leather,
and 0-99 WT% of textile fiber. The yarn of animal collagen fiber is made by the following
procedure: choosing raw materials, loosing fiber, assorting, blending, carding, drawing,
and twisting, if using the rawhide, the above procedure should add the steps of liming,
washing, deliming, tanning and dehydrating. The raw material of the yarn can be the
10 rawhide of any animal, as well as the leftover material or worn-out leather. The yarn has
excellent properties, high tensile strength, abrasion resistance, softness, water
adsorbent, oil adsorbent, flame-retardant, and can be woven, knitted and braided. The
yarn can be used to weave high quality fabric with high count and high strength for four
seasons, which greatly broadens the application fields of animal leather, improves the
15 utilization of the leather and provides a kind of spinnable fiber for the textile industry.
Therefore, the present invention can be widely used in textile industry.